

## TESTING METHODS AND APPARATUS FOR WIRELESS COMMUNICATIONS

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### ABSTRACT OF THE DISCLOSURE

Several testing methods and apparatus for wireless communications, such as a cellular telephone communications, are described. One method for use in  
10 troubleshooting a problematic call in a wireless communication system by a computer test station includes the steps of receiving a telephone call from a wireless telephone unit while the wireless telephone unit is simultaneously connected in a call; receiving, during the telephone call, first information which identifies the wireless telephone unit and second information which identifies a  
15 wireless switch utilized in the call; sending, during the telephone call, a trace command having the caller ID information to an address associated with the wireless switch; and receiving, in response to sending the trace command, call trace information including information that identifies a plurality of devices of the wireless switch utilized in the call. In response, the computer test station  
20 delivers a message that includes this device information to, for example, the wireless telephone unit or a system maintenance computer for appropriate handling.